## AMENDMENTS TO THE CLAIMS

**This listing of claims will replace all prior versions and listings of claims in the application:**

## LISTING OF CLAIMS:

**1.-34. (Canceled).**

**35.** **(New)** A process for isolating maytansinol from a mixture containing unreduced and over-reduced maytansinoids by separating the maytansinol by normal-phase high performance liquid chromatography (HPLC) on a chemically modified silica stationary phase.

**36.** **(New)** Maytansinol prepared by the process of claim 35.

**37.** **(New)** A cell-binding agent maytansinoid complex prepared by converting maytansinol prepared by the process of claim 35 into the cell-binding agent maytansinoid complex.

**38.** **(New)** The cell binding agent of Claim 37, wherein the cell-binding agent is an antibody.

**39.** **(New)** The process of claim 35, wherein the chemically modified silica is cyano-bonded silica.

**40.** **(New)** Purified maytansinol prepared by the process of claim 35, wherein the purity of maytansinol is at least 90%.

**41.** **(New)** The process of claim 35, further comprising converting the maytansinol prepared by the process into a cell-binding agent maytansinoid complex.

**42.** **(New)** A process for isolating maytansinol from a mixture containing unreduced and over-reduced maytansinoids by separating the maytansinol by large-scale preparative normal-phase high performance liquid chromatography (HPLC) on a chemically modified silica stationary phase.

**43.** **(New)** Maytansinol prepared by the process of claim 42.

**44.** **(New)** A cell-binding agent maytansinoid complex prepared by converting maytansinol prepared by the process of claim 42 into the cell-binding agent maytansinoid complex.

**45.** **(New)** The cell-binding agent of claim 44 wherein the cell-binding agent is an antibody.

**46.** **(New)** The process of claim 42 wherein the chemically modified silica is cyano-bonded silica.

**47.** **(New)** Purified maytansinol prepared by the process of claim 42 wherein the purity of the maytansinol is at least 90%.

**48.** **(New)** The process of claim 42 further comprising converting the maytansinol prepared by the process into a cell-binding agent maytansinoid complex.